nifi集群搭建

1. 环境准备

1、准备3台服务器

2、Jdk环境，没有jdk环境需要安装jdk环境

3、下载nifi安装tar包，然后上传到服务器上

1. nifi集群安装
2. 创建nifi用户 useradd nifi
3. 将安装包解压到nifi目录下
4. 在3个节点上修改配置文件

（1）conf/zookeeper.properties

|  |
| --- |
| clientPort=2188  initLimit=10  autopurge.purgeInterval=24  syncLimit=5  tickTime=2000  dataDir=./state/zookeeper  autopurge.snapRetainCount=30  # server.1=nifi-node1-hostname:2888:3888;2181  # server.2=nifi-node2-hostname:2888:3888;2181  # server.3=nifi-node3-hostname:2888:3888;2181  #  server.1=172.16.25.25:4888:5888  server.2=172.16.25.26:4888:5888  server.3=172.16.25.28:4888:5888 |

（2）创建myid

在nifi安装目录下执行以下命令

mkdir -p state/zookeeper

echo 1 >state/zookeeper/myid

1. 修改conf/nifi.properties

|  |
| --- |
| nifi.web.http.host=172.16.25.28  本机IP  nifi.web.http.port=8082  nifi.web.http.network.interface.default=  # cluster node properties (only configure for cluster nodes) #  nifi.cluster.is.node=true  本机IP  nifi.cluster.node.address=172.16.25.28  nifi.cluster.node.protocol.port=9998  nifi.cluster.node.protocol.threads=10  nifi.cluster.node.protocol.max.threads=50  nifi.cluster.node.event.history.size=25  nifi.cluster.node.connection.timeout=5 sec  nifi.cluster.node.read.timeout=5 sec  nifi.cluster.node.max.concurrent.requests=100  nifi.cluster.firewall.file=  nifi.cluster.flow.election.max.wait.time=20 sec  nifi.cluster.flow.election.max.candidates=1  # zookeeper properties, used for cluster management #  nifi.zookeeper.connect.string=172.16.25.25:2188,172.16.25.26:2188,172.16.25.28:2188  nifi.zookeeper.connect.timeout=3 secs  nifi.zookeeper.session.timeout=3 secs  nifi.zookeeper.root.node=/nifi  nifi.zookeeper.client.secure=false  nifi.zookeeper.security.keystore=  nifi.state.management.configuration.file=./conf/state-management.xml  # The ID of the local state provider  nifi.state.management.provider.local=local-provider  # The ID of the cluster-wide state provider. This will be ignored if NiFi is not clustered but must be populated if running in a cluster.  nifi.state.management.provider.cluster=zk-provider  # Specifies whether or not this instance of NiFi should run an embedded ZooKeeper server  nifi.state.management.embedded.zookeeper.start=true  # Properties file that provides the ZooKeeper properties to use if <nifi.state.management.embedded.zookeeper.start> is set to true  nifi.state.management.embedded.zookeeper.properties=./conf/zookeeper.properties |

1. 配置conf/state-management.xml

|  |
| --- |
| <cluster-provider>  <id>zk-provider</id>  <class>org.apache.nifi.controller.state.providers.zookeeper.ZooKeeperStateProvider</class>  <property name="Connect String">172.16.25.25:2188,172.16.25.26:2188,172.16.25.28:2188</property>  <property name="Root Node">/nifi</property>  <property name="Session Timeout">10 seconds</property>  <property name="Access Control">Open</property>  </cluster-provider> |

三、分别在3台服务器上启动nifi

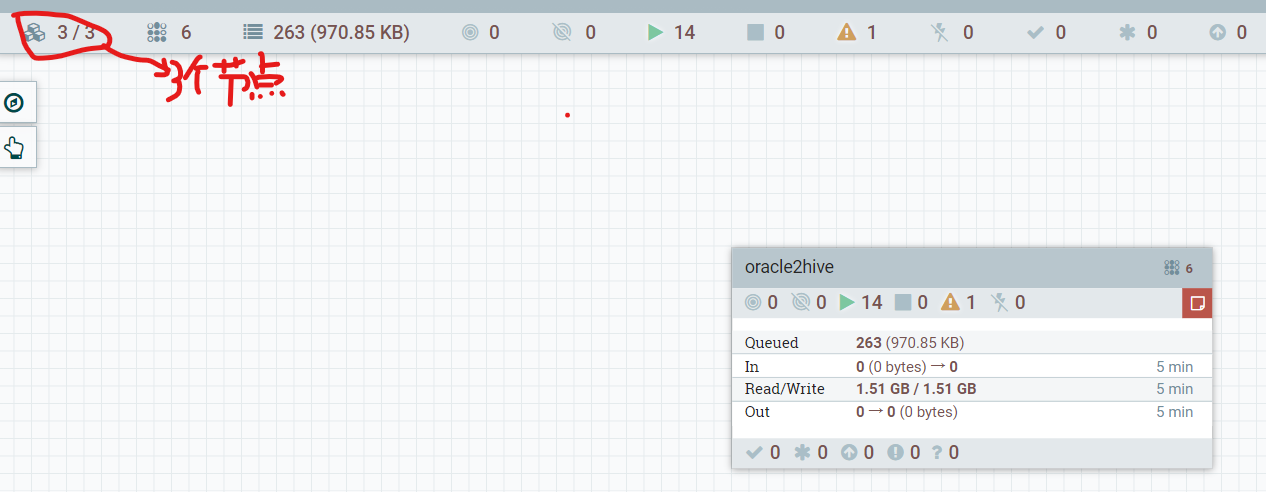
相关的执行命令

|  |
| --- |
| sh bin/nifi.sh start  sh bin/nifi.sh stop  sh bin/nifi.sh status |

启动执行命令之后监控日志，如果没有报错就可以访问web

查看日志：tail -f logs/nifi-app.log

访问web：<http://172.16.25.25:8082/nifi>



可以看到有3个节点